

### 3 Hole Flange SMA Female to SMA Female Rotary Joint

#### Electrical Specifications

Frequency Range	DC to 18 GHz
Max VSWR	1.4:1
Max Input Power	30 Watts
Max Peak Power	3 KWatts

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 6	6 to 12.4	12.4 to 18			GHz
VSWR	1.15:1	1.3:1	1.4:1			
Insertion Loss	0.3	0.4	0.6			dB
Power Handling	200	40	30			Watts



#### Features:

- Connector 1: SMA Female
- Impedance 1: 50 Ohms
- Connector 2: SMA Female
- Impedance 2: 50 Ohms
- Adapter Design: Standard
- Body Style: Straight
- Mount Method: 3 Hole Flange

#### Mechanical Specifications

Typ Speed	100 RPM
<b>Temperature</b> Operating Range	-40 to +70 deg C
<b>Size</b> Length	1.37 in [34.8 mm]
Width	1 in [25.4 mm]
Weight	0.061 lbs [27.67 g]

#### Connector 1

Type	SMA Female
Mating Cycles	500
Inner Conductor Material and Plating	Beryllium Copper, Gold
Inner Conductor Plating Specification	ASTM A582
Body Material and Plating	Stainless Steel, Passivated
Body Plating Specification	Stainless Steel
Dielectric Type	PTFE

#### Connector 2

Type	SMA Female
Mating Cycles	500
Inner Conductor Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Stainless Steel, Passivated
Dielectric Type	PTFE

#### Environmental Specifications

<b>Temperature</b> Operating Range	-40 to +70 deg C
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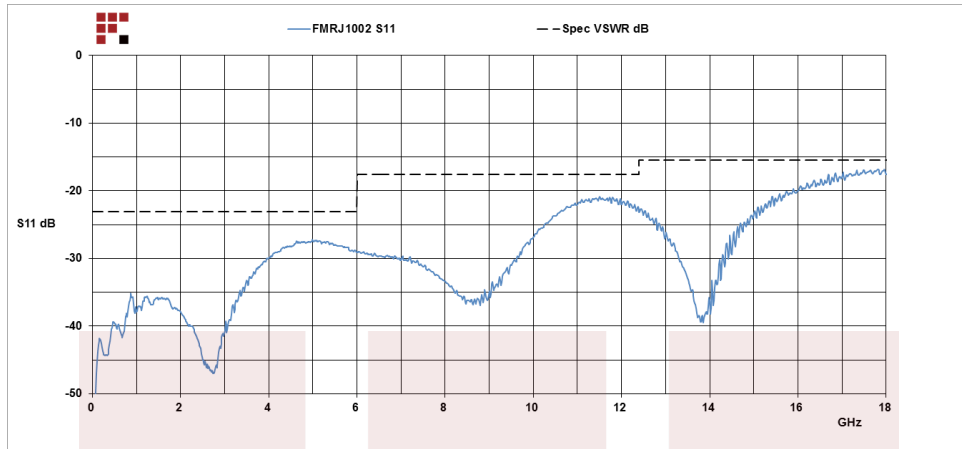
#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

- Notes:
- Values at 25 °C, sea level

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**Typical Performance Data**

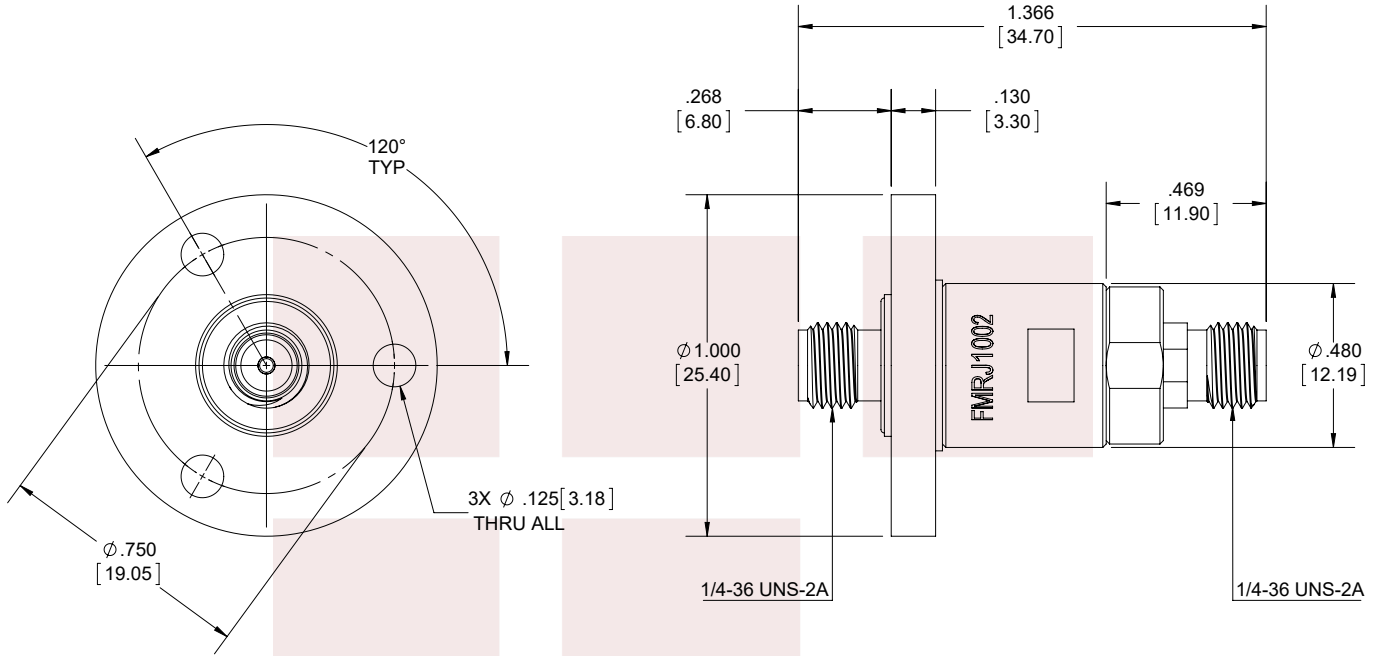


3 Hole Flange SMA Female to SMA Female Rotary Joint from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [3 Hole Flange SMA Female to SMA Female Rotary Joint FMRJ1002](#)

URL: <https://www.fairviewmicrowave.com/3-hole-flange-sma-female-to-sma-female-rotary-joint-fmrj1002-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE 3 Hole Flange SMA Female to SMA Female Rotary Joint		DWG NO FMRJ1002		CAGE CODE 3FKR5	
CAD FILE	072617	SHEET	1 OF 1	SCALE	N/A
		SIZE	A		9999